Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Exit Ticket: Unit 6 Algebra 1**

Directions: Show all your work in an organized and legible fashion. Use any resource except other people.

1. Simplify by combining like terms. -9x + 4y +12x -2y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Write in exponential notation. (-m)(-m)(-m) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Multiply. (j5)j5 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Multiply. 5j5 · 3j³ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Divide. k³ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

k²

1. Divide. 10p5 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-5p²

1. 100 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Simplify with positive exponents. 3-²= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_